

CLAIMS

1. An object-oriented method for transferring a file system including folders and data files from a source data storage controlled by a source data processing unit to a destination data storage controlled by a destination data processing unit over a transfer medium, said method comprising the steps of:

building in said source data storage at least one file object containing a data package to be transferred;

generating a descriptor file including parameters associated with said file object;

generating an archive file including said data package; and

transmitting said descriptor file and said archive file from said source data processing unit to said destination data processing unit over said transfer medium.

2. An object-oriented method according to claim 1, wherein said file object is built by using a file transfer tool model including:

a header containing the following functions: set directory name, get environment, set environment, create, and install data; and

a body containing the following items: directory name, installed directory, size, version, and data package.

3. An object-oriented method according to claim 1, wherein said file object is a component object corresponding to files which are associated with a directory.

4. An object-oriented method according to claim 1, wherein said file object is an object corresponding to files which are associated with a root directory.

5. An object-oriented method according to claim 1, wherein the steps of generating said descriptor file and generating said archive file comprise the steps of:

defining the descriptor file in said source data storage;

setting a directory name in said descriptor file;

creating said archive file from the data package; and
setting remaining parameters in said descriptor file.

6. An object-oriented method according to claim 5, wherein said remaining parameters comprise installed directory, size, and version.

5 7. An object-oriented method according to claim 1, further comprising the steps of:
reading a received descriptor file;
defining a file object from information contained in said descriptor file;
setting an environment parameter of said file object with a value got from said descriptor
file; and
unarchiving data contained in the received archive file and installing said data in said
destination data storage.

8. An object-oriented method for receiving in a destination storage controlled by a destination
data processing unit a file system which is transferred from a source data storage controlled by a
source data processing unit, comprising the steps of:
reading a received descriptor file;
defining a file object from information contained in said descriptor file;
setting an environment parameter of said file object with a value got from said descriptor
file; and
unarchiving data contained in the received archive file and installing said data in said
20 destination data storage.

9. An object-oriented system for transferring a file system including folders and data files from
a source data storage controlled by a source data processing unit to a destination data storage
controlled by a destination data processing unit over a transfer medium, said system comprising:
means for building in said source data storage at least one file object containing a data
25 package to be transferred;
means for generating a descriptor file including parameters associated with said file object;

means for generating an archive file including said data package; and
means for transmitting said descriptor file and said archive file from said source data processing unit to said destination data processing unit over said transfer medium.

10. An object-oriented system according to claim 9, further comprising:

5 means for reading a received descriptor file;
means for defining a file object from information contained in said descriptor file;
means for setting an environment parameter of said file object with a value got from said descriptor file; and
means for unarchiving data contained in the received archive file and installing said data in said destination data storage.

11. An object-oriented system for receiving in a destination storage controlled by a destination data processing unit a file system which is transferred from a source data storage controlled by a source data processing unit, comprising:

10 means for reading a received descriptor file;
means for defining a file object from information contained in said descriptor file;
means for setting an environment parameter of said file object with a value got from said descriptor file; and
means for unarchiving data contained in the received archive file and installing said data in said destination data storage.

20 12. A program storage device readable by a machine, tangibly embodying a program of instructions executable by the machine to perform object-oriented method steps for transferring a file system including folders and data files from a source data storage controlled by a source data processing unit to a destination data storage controlled by a destination data processing unit over a transfer medium, said method steps comprising

25 building in said source data storage at least one file object containing a data package to be transferred;
generating a descriptor file including parameters associated with said file object;

generating an archive file including said data package; and
transmitting said descriptor file and said archive file from said source data processing unit
to said destination data processing unit over said transfer medium.

5 13. A program storage device to claim 12, said method steps further comprising:
reading a received descriptor file;
defining a file object from information contained in said descriptor file;
setting an environment parameter of said file object with a value got from said descriptor
file; and
unarchiving data contained in the received archive file and installing said data in said
destination data storage.

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20 14. A program storage device readable by a machine, tangibly embodying a program of
instructions executable by the machine to perform object-oriented method steps for receiving in a
destination storage controlled by a destination data processing unit a file system which is
transferred from a source data storage controlled by a source data processing unit, said method
steps comprising
reading a received descriptor file;
defining a file object from information contained in said descriptor file;
setting an environment parameter of said file object with a value got from said descriptor
file; and
unarchiving data contained in the received archive file and installing said data in said
destination data storage.